TABLE 4

Companies with worldwide, domestic, and foreign R&D paid for by the company and others and performed by the company, by source of funds, industry, and company size: 2017

(Number of companies)

Industry and company size	NAICS code	Worldwide R&D performance ^a			Domestic R&D performance			Foreign R&D performance ^a		
		Total	Paid for by the company	Paid for by others	Total	Paid for by the company	Paid for by others	Total	Paid for by the company	Paid for by others
All industries	21-23, 31-33, 42-81	20,956	19,585	3,215	20,884	19,514	3,180	2,245	2,084	302
Manufacturing industries	31–33	12,192	11,620	1,632	12,151	11,581	1,603	1,247	1,160	188
Food	311	563	554	35	563	554	35	37	37	D
Chemicals	325	1,840	1,730	366	1,840	1,730	357	259	252	33
Pharmaceuticals and medicines	3254	841	755	282	841	755	277	157	151	23
Other chemicals	other 325	1,000	974	84	1,000	974	80	102	101	10
Plastics and rubber products	326	638	624	60	638	624	60	52	48	5
Nonmetallic mineral products	327	193	175	33	193	175	33	10	10	0
Fabricated metal products	332	1,262	1,168	138	1,260	1,168	135	53	48	6
Machinery	333	1,815	1,683	226	1,793	1,662	224	156	140	21
Computer and electronic products	334	1,795	1,728	317	1,793	1,726	313	283	263	43
Electrical equipment, appliances, and components	335	731	709	68	731	709	67	64	62	4
Transportation equipment	336	853	817	165	844	807	161	105	97	37
Miscellaneous manufacturing	339	1,428	1,386	159	1,428	1,386	156	144	121	33
Other manufacturing	312-16, 321-24, 331, 337	1,084	1,056	66	1,078	1,050	63	91	89	D
Nonmanufacturing industries	21-23, 42-81	8,767	7,967	1,585	8,736	7,935	1,578	999	925	115
Wholesale trade	42	692	663	65	691	662	65	20	18	D
Information	51	2,539	2,498	173	2,527	2,486	170	576	554	30
Telecommunications	517	D	104	D	D	101	D	27	26	3
Data processing, hosting, and related services	518	1,131	1,114	62	1,131	1,114	62	269	264	7
Other information	other 51	D	1,280	D	D	1,271	D	280	264	20
Professional, scientific, and technical services	54	4,318	3,693	1,156	4,304	3,679	1,154	277	227	78
Architectural, engineering, and related services	5413	1,266	1,125	274	1,265	1,124	273	32	26	20
Scientific research and development services	5417	1,037	692	617	1,035	689	617	61	38	28
Biotechnology research and development	541711	212	160	111	212	160	111	11	7	4
Other scientific research and development	other 5417	825	532	507	823	529	507	50	31	24
Other professional, scientific, and technical services	other 54	2,015	1,876	265	2,005	1,865	264	184	164	29
Other nonmanufacturing	21–23, 44–45, 48–49, 52–53, 55–56, 621– 24, 71–72, 81	1,220	1,115	190	1,215	1,110	188	126	126	D
All companies (number of domestic employees)	_	20,956	19,585	3,215	20,884	19,514	3,180	2,245	2,084	302
Small companies										

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(Number of companies)

		Worldwide R&D performance ^a			Domestic R&D performance			Foreign R&D performance ^a		
Industry and company size	NAICS code	Total	Paid for by the company	Paid for by others	Total	Paid for by the company	Paid for by others	Total	Paid for by the company	for by
10-19 ^b	-	3,643	3,308	744	3,618	3,283	742	218	162	61
20-49	-	6,439	6,020	937	6,420	6,001	935	383	335	65
Medium companies										
50-99	-	3,816	3,578	534	3,806	3,569	533	232	218	17
100-249	-	3,183	2,991	406	3,176	2,986	399	301	282	27
Large companies										
250-499	-	1,478	1,393	192	1,475	1,390	190	222	215	16
500-999	-	940	888	113	939	887	111	204	201	11
1,000-4,999	-	990	952	158	984	947	145	411	405	44
5,000-9,999	-	207	199	40	206	198	36	118	113	18
10,000-24,999	-	154	149	54	154	149	53	89	88	20
25,000 or more	-	106	106	37	105	105	36	68	66	22

D = data withheld to avoid disclosing operations of individual companies.

NAICS = 2012 North American Industry Classification System.

Note(s)

Detail may not add to total because of rounding. Industry classification is based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned. Statistics are representative of companies located in the United States that performed or funded R&D.

Source(s)

National Center for Science and Engineering Statistics and U.S. Census Bureau, Business Research and Development Survey, 2017.

^a Statistics for the number of companies are based only on companies in the United States that reported to the survey. These statistics do not include an adjustment to the weight to account for unit nonresponse. A company having multiple reporting parts for data collection may contribute to the statistics for multiple industries, so the detail may not add to the total for the number of companies.

^b Business Research and Development Survey does not include companies with fewer than 10 domestic employees.